

SEQUENCE HOMOLOGY BETWEEN FACTOR IX
Gla DOMAINS FROM VARIOUS SPECIES

| | 10 | 20 | 30 | 40 |
|--------|---|----|----|----|
| human | Y N S G K L E E F V Q G N L E R E C M E E K C S F E E A R E V F E N T E R T T E F W K | | | |
| canine | Y N S G K L E E F V R G N L E R E C I E E K C S F E E A R E V F E N T E K T T E F W K | | | |
| murine | Y N S G K L E E F V R G N L E R E C I E E R C S F E E A R E V F E N T E K T T E F W K | | | |
| rabbit | Y N S G K L E E F V S G N L E R E C I E E R C S F E E A R E V F E N T E K T T E F W K | | | |

FIG. 1A

SEQUENCE HOMOLOGY BETWEEN
Gla DOMAINS OF VARIOUS HUMAN COAGULATION PROTEINS

| | 10 | 20 | 30 | 40 |
|------------|---|-------|-------------------|----|
| factor IX | Y N S G K L E E F V Q G N L E R E C M E E K C S F E E A R E V F E N T E R T T E F W K | | | |
| factor X | A - M K K H | T Y | D S D K N | N |
| factor VII | A A - L R P S | K Q | I K D A K L | I |
| Protein C | A - L R H S S | I I D | K I Q V D D L A | S |
| Prothromb. | A T - V R K | V T Y | F A L S S T A D V | A |

FIG. 1B

2 / 13

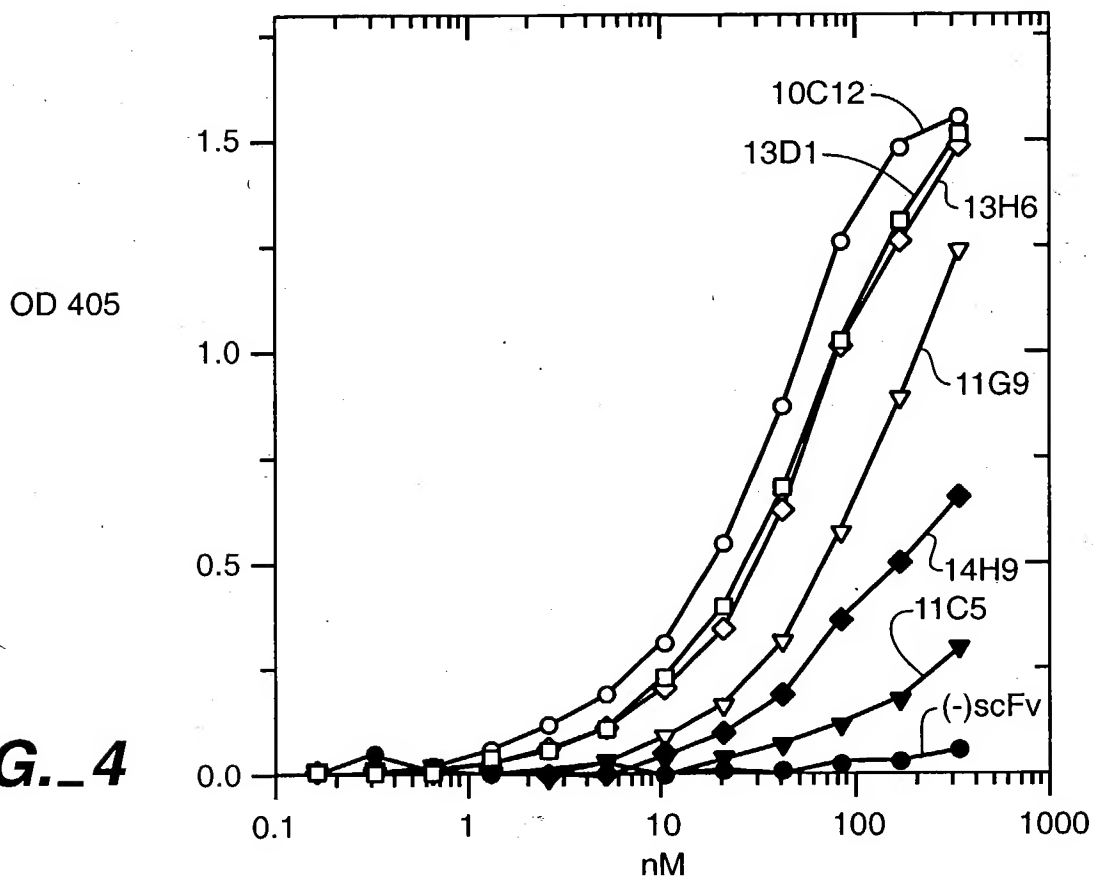
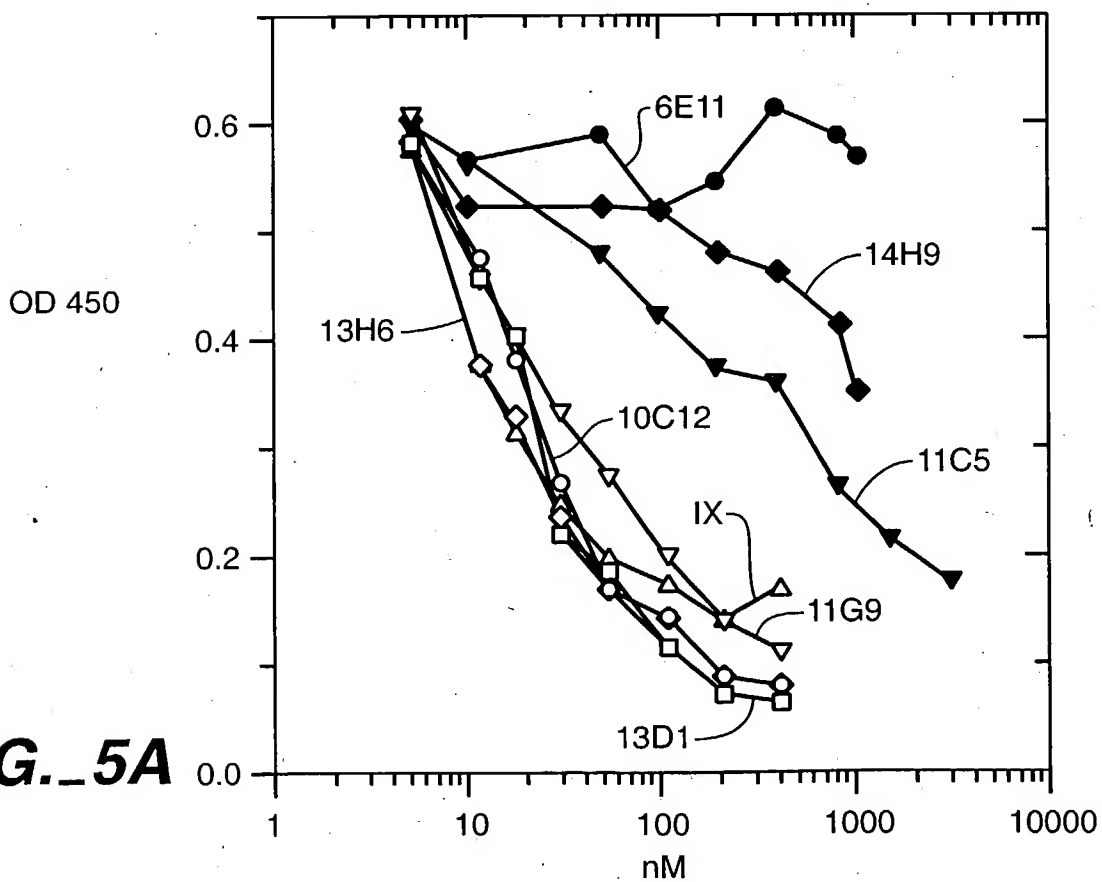
| CLONE # | HEAVY CHAINS | | | | LIGHT CHAINS | | | |
|---------|--------------|-------|--------------------|--------------|--------------|---------------|---------|--------------|
| | Family | CDR1 | CDR2 | CDR3 | Family | CDR1 | CDR2 | CDR3 |
| 10C12 | VH3 | TYAMH | IIISYDGSKKYYADSVKG | ASIAAARVLDY | Vλ1 | SGSTSNIGNNYVS | DVSKRPS | AAWDDSLS-EFL |
| 11C5 | VH3 | TYAMH | VISYDGSNKYYADSVKG | SDYGGN-LGEF | Vλ1 | SGSTSNIGNNYVS | DVSKRPS | AAWDDSLS-EFL |
| 11G9 | VH3 | TYAMH | IIISYDGSNKYYADSVKG | ASIAAGRVL DY | Vλ1 | SGSTSNIGNNYVS | DVSKRPS | AAWDDSLS-EFL |
| 13D1 | VH3 | TYAMH | IIISYDGSKKYYADSVKS | ASIAAARVLDY | Vλ1 | SGSTSNIGNNYVS | DVSKRPS | AAWDDSLS-EFL |
| 13H6 | VH3 | SYAMH | VISHDGGKKEYADSVRG | AAYTAATIADN | Vλ1 | TGSSR---DVDVS | EVSKRPS | SSYGGSN--NVV |
| 14H9 | VH3 | DYAMH | TIISPSGRSTYNADSVKG | RGIGYKGGFDV | Vλ1 | SGGRSNIGSNTVK | GNDQRPS | QSYDSSLRGSRV |

FIG..2F(ab')₂

| CLONE # | CONCENTRATION (μ M) | AFFINITY |
|---------|--------------------------|----------|
| 10C12 | 0.8 | 1.6 nM |
| 13D1 | 0.73 | 2.9 nM |
| 13H6 | 1.1 | 0.46 nM |
| 14H9 | 1.9 | ND |

FIG..3

3 / 13

FIG._4**FIG._5A**

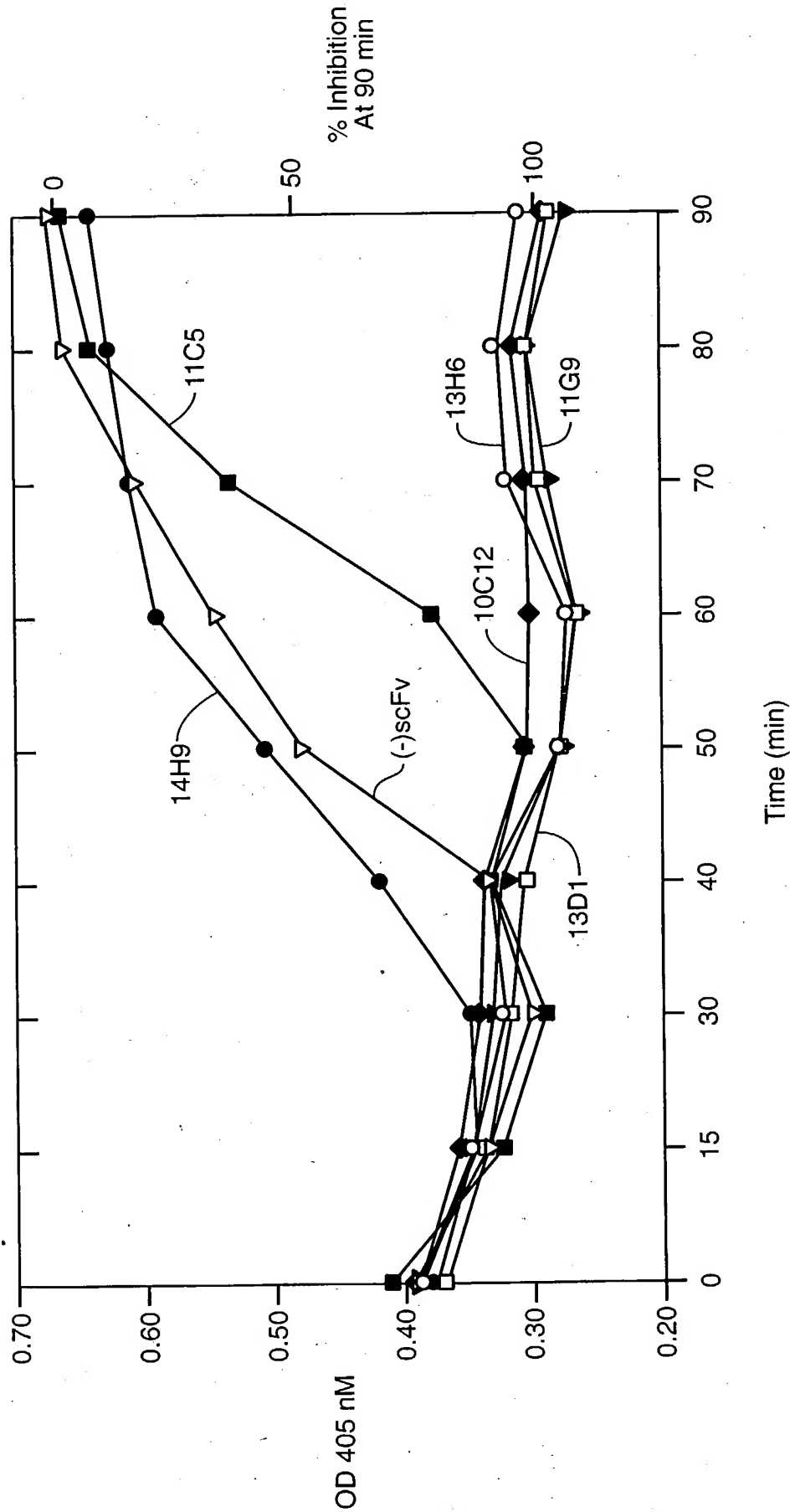


FIG._5B

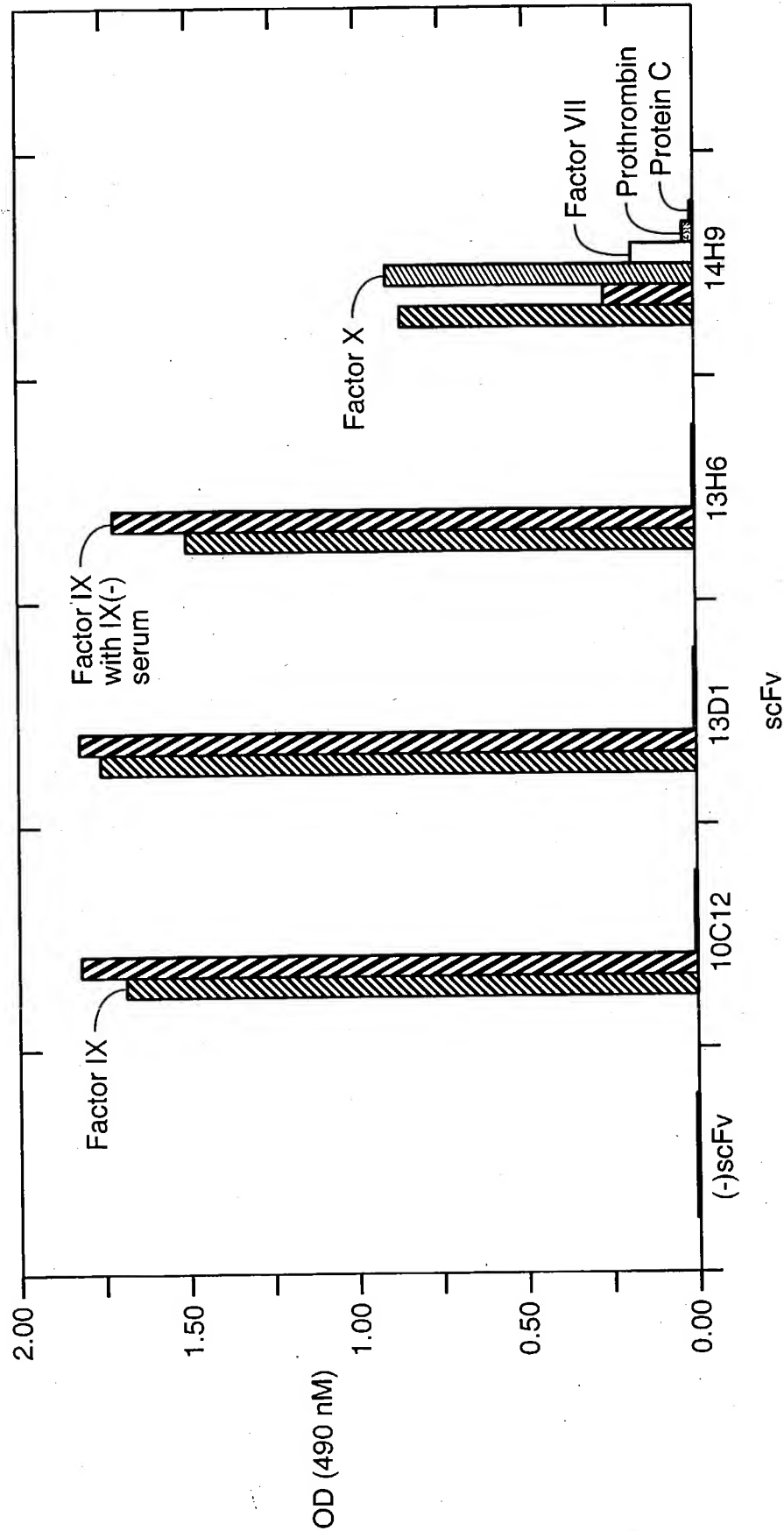


FIG._6A

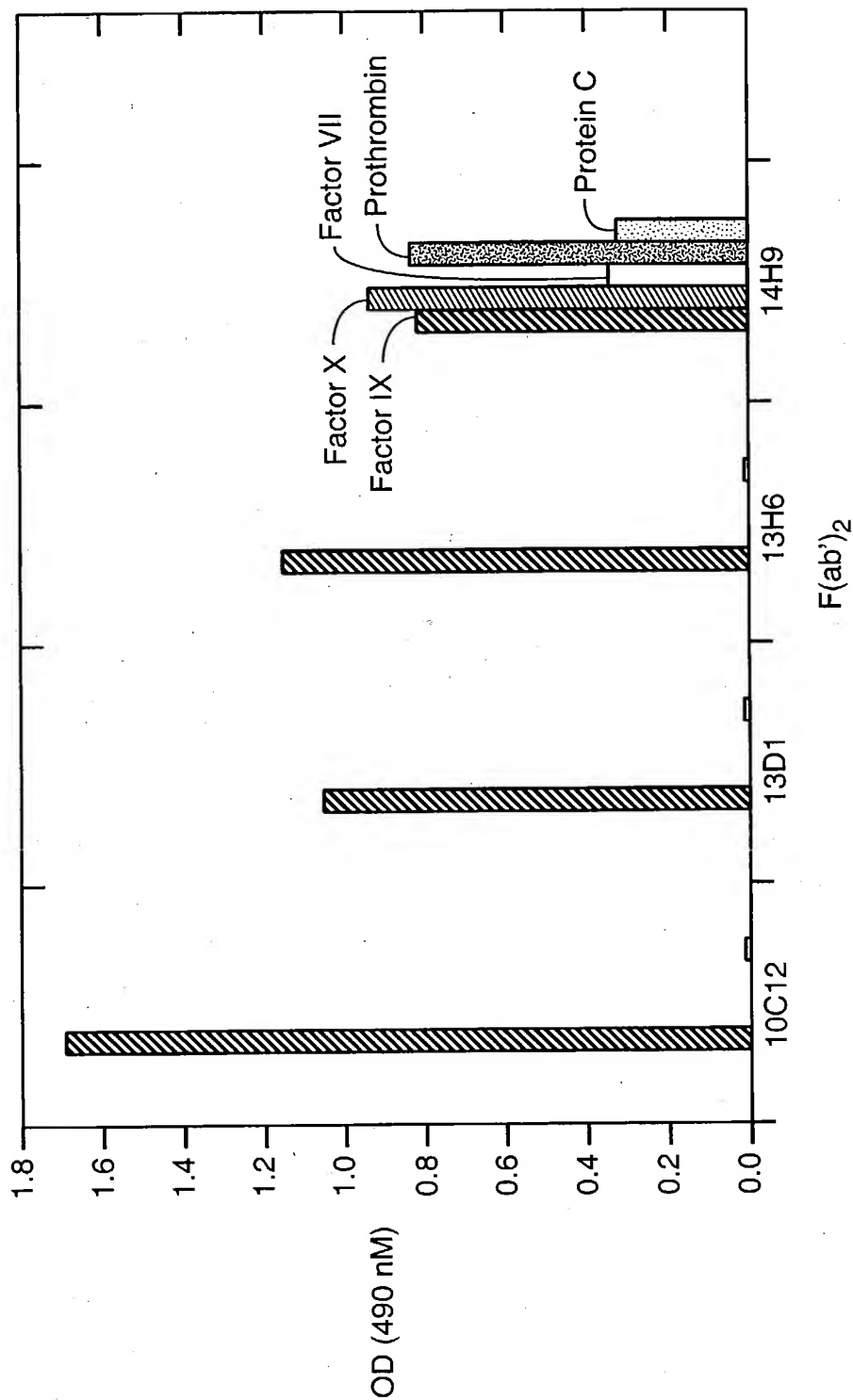
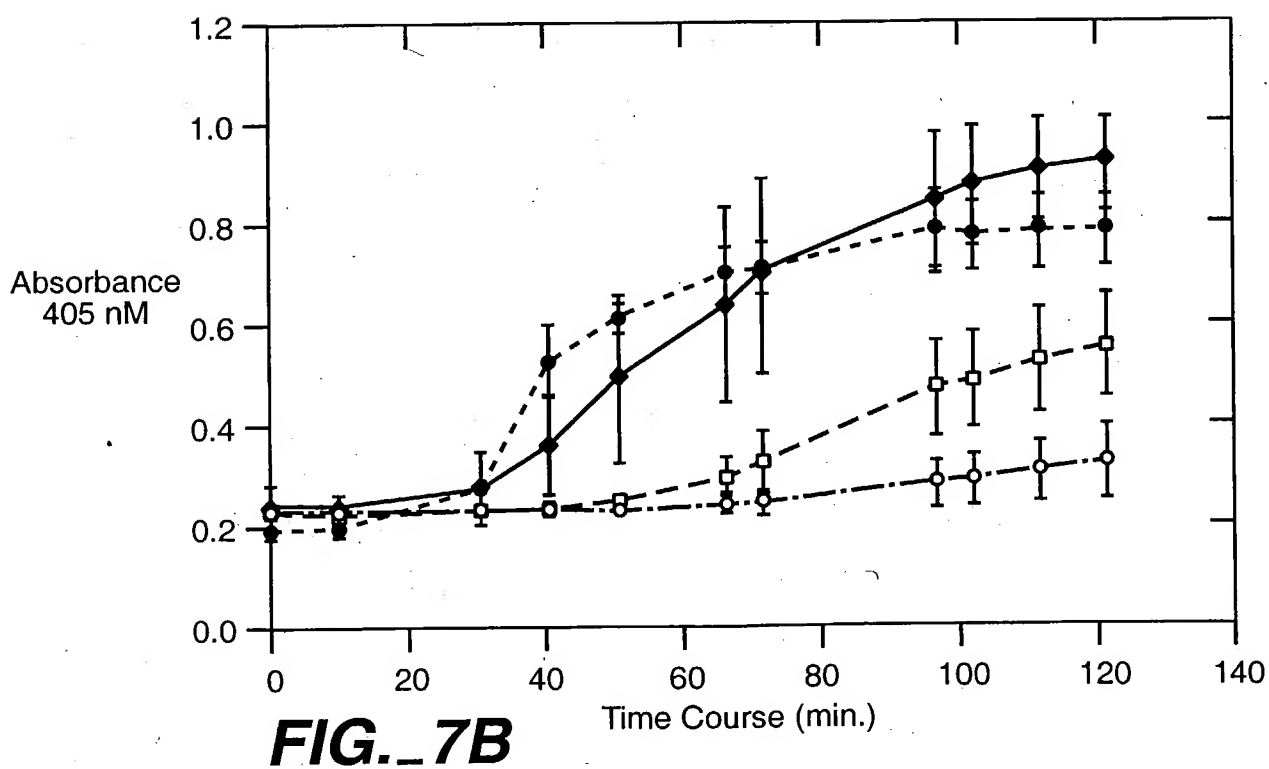
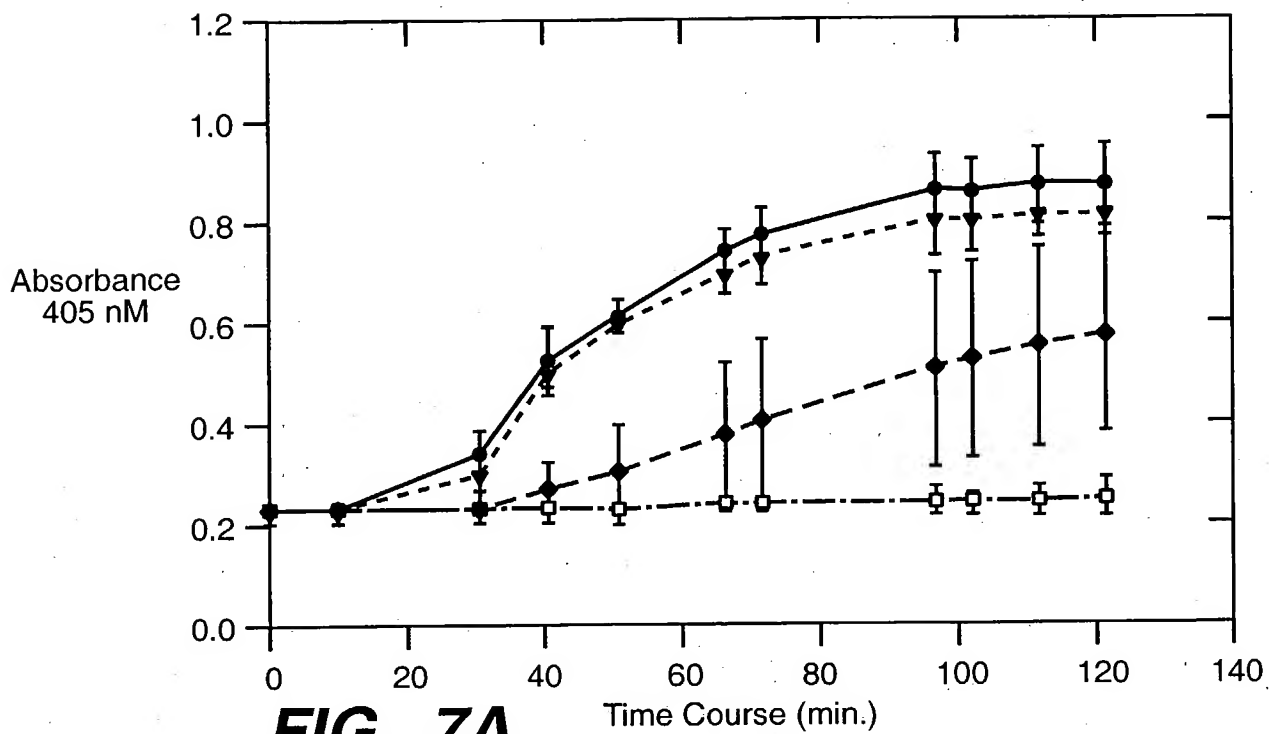
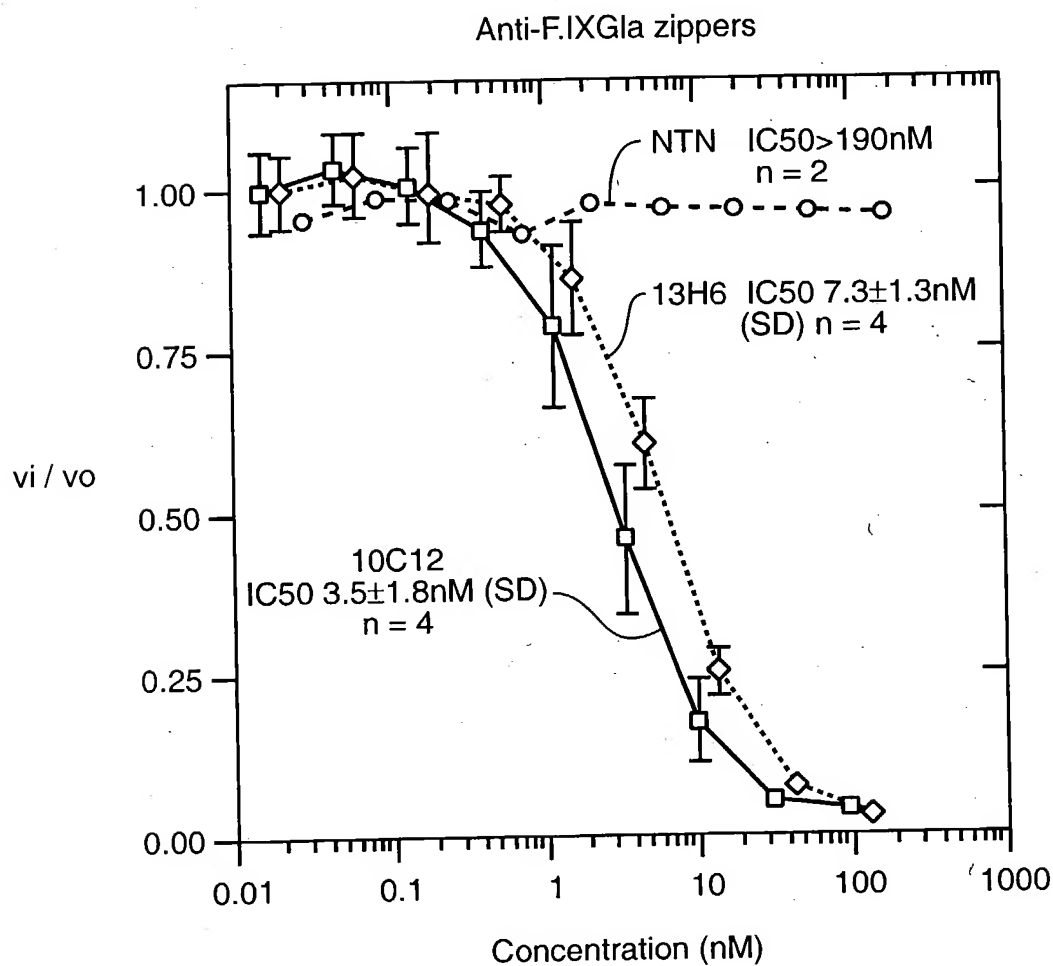


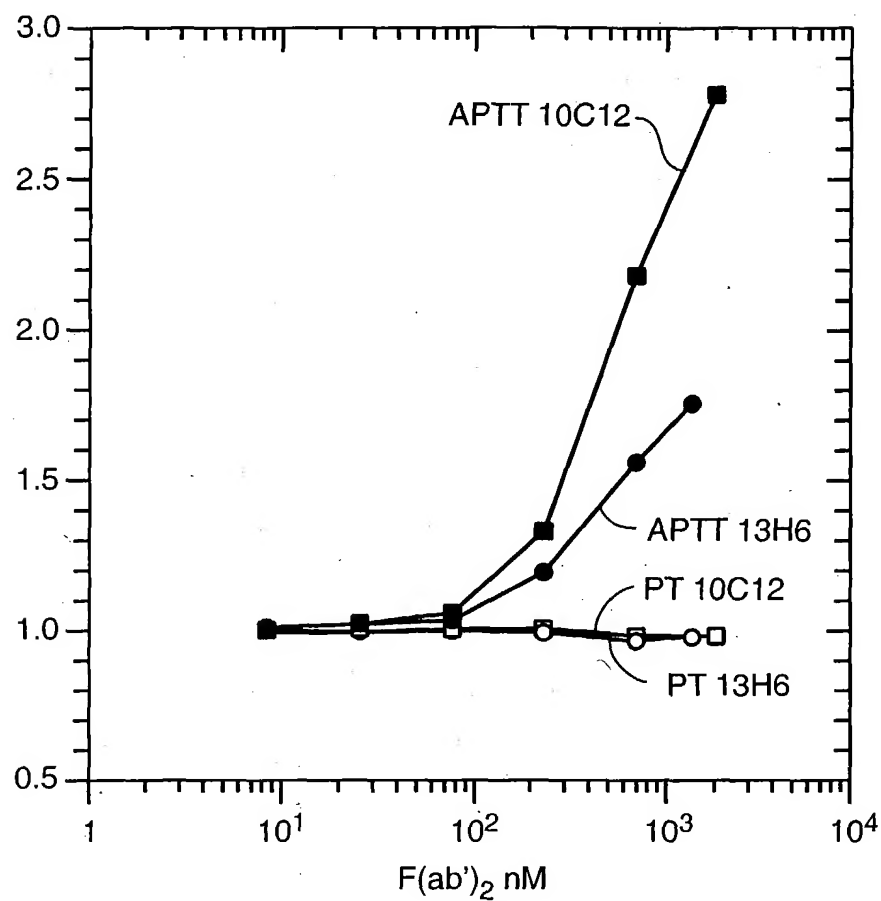
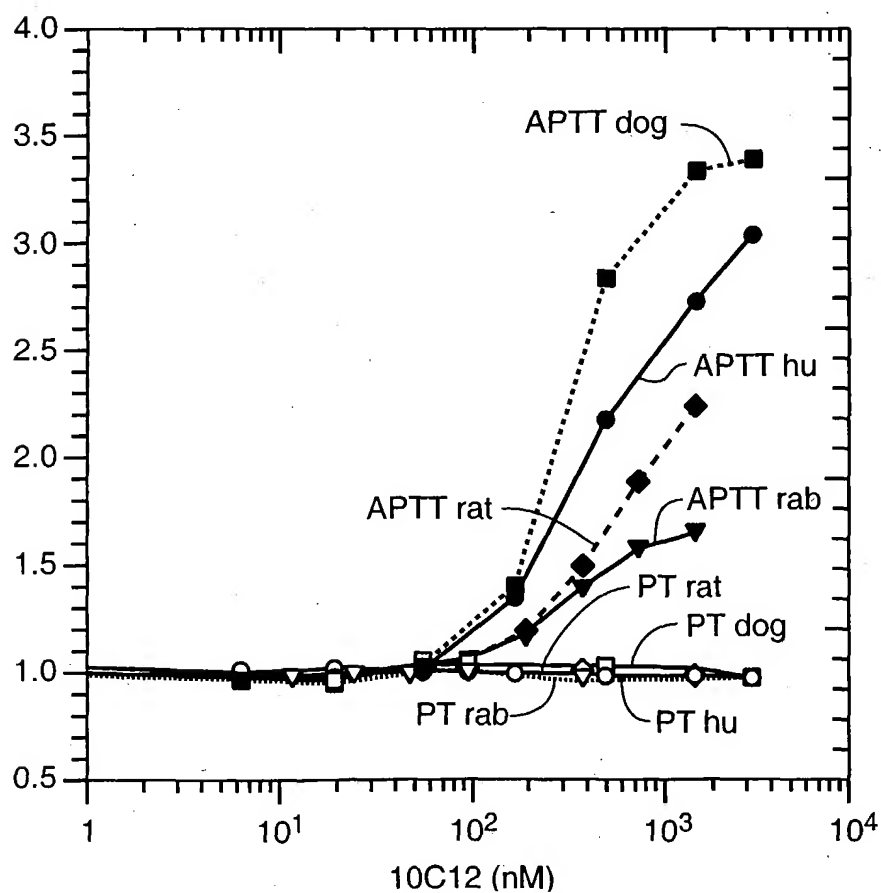
FIG. 6B

7 / 13

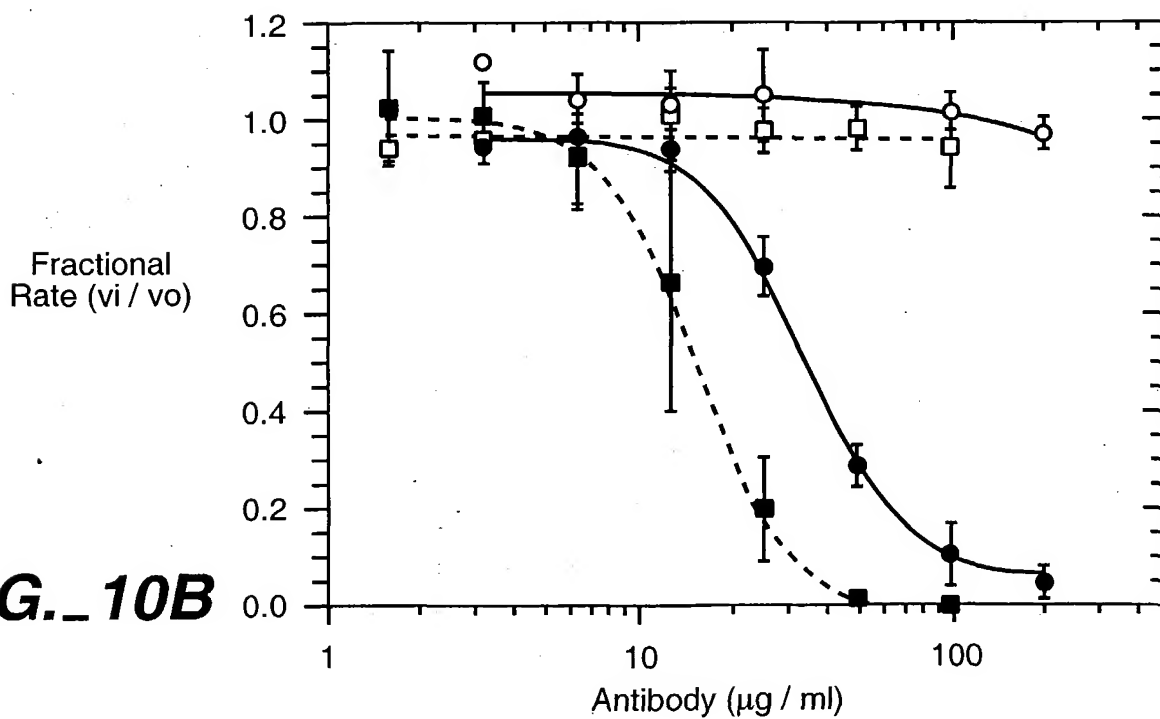
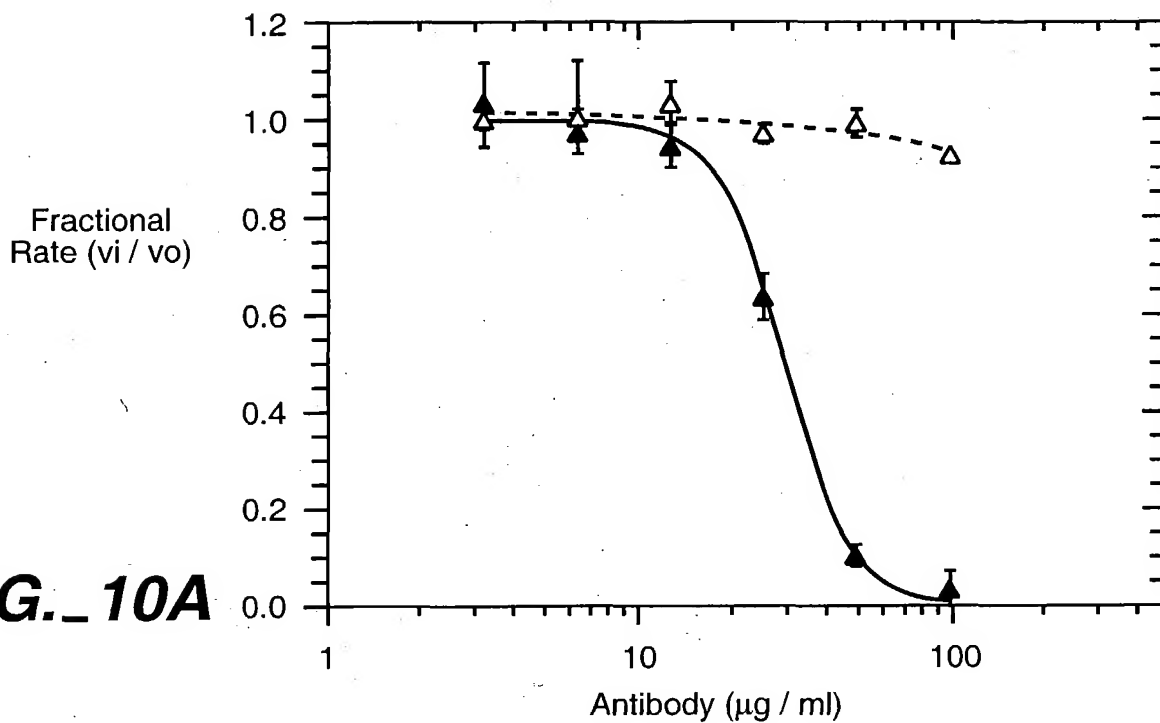


**FIG. 8**

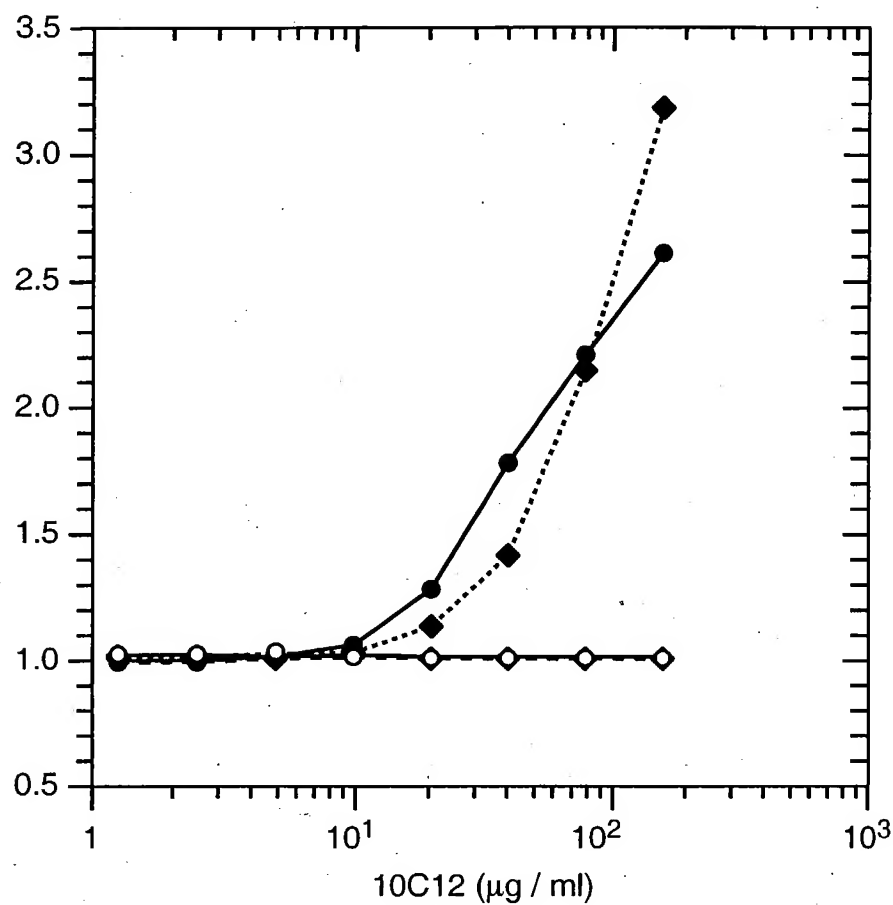
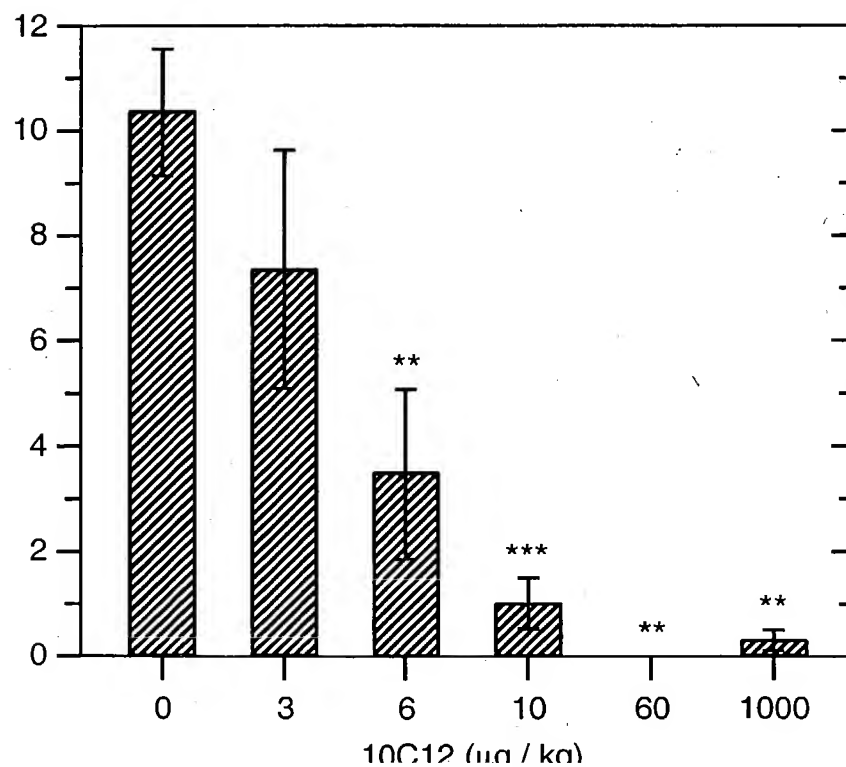
9 / 13

x-Fold
Prolongation**FIG._9A**x-Fold
Prolongation**FIG._9B**

10 / 13



11 / 13

x-Fold
Prolongation**FIG. 11**Thrombosis
Index**FIG. 12**

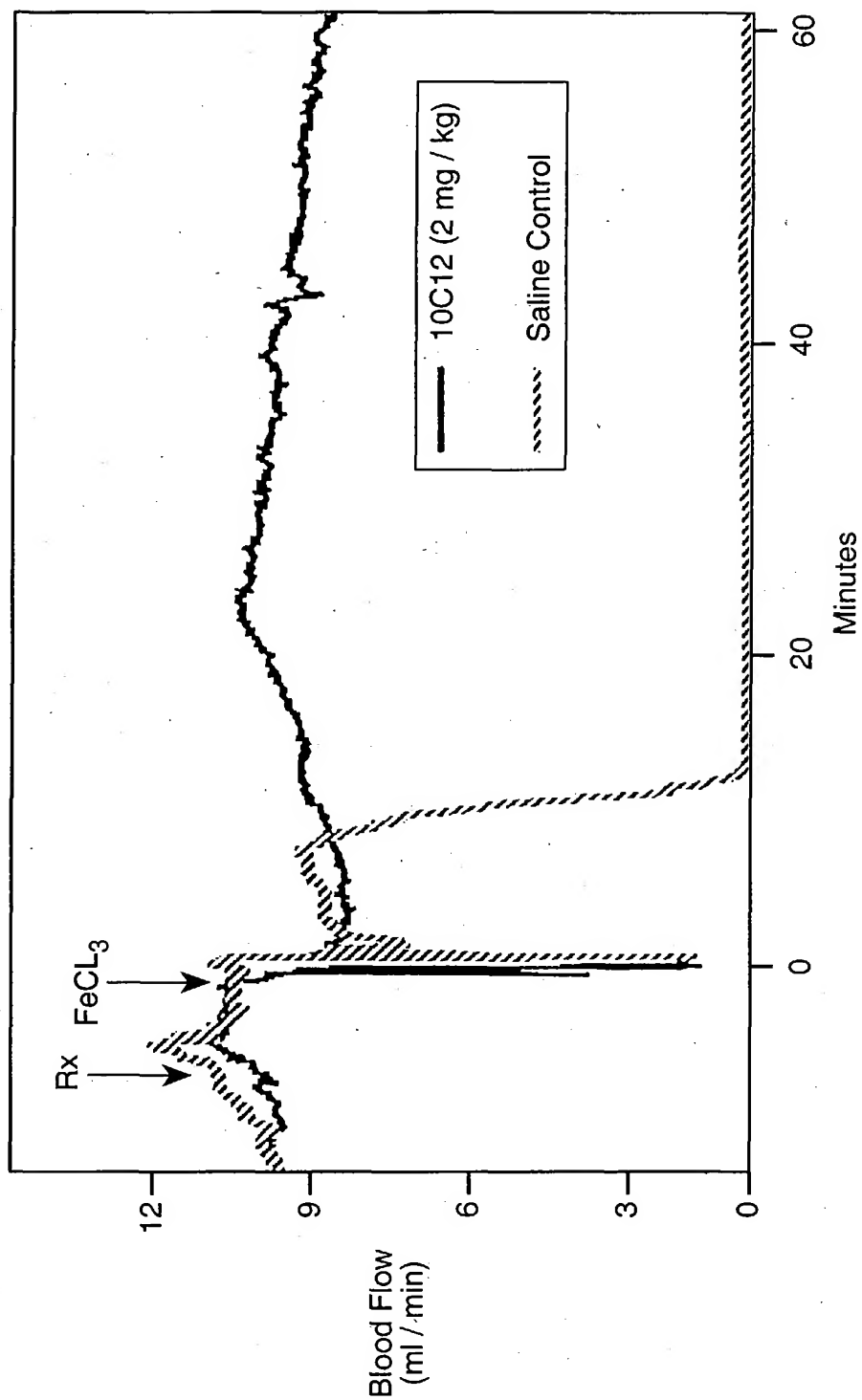


FIG. 13

13 / 13

